

FORM PTO 1449 (modified)

ATTY DOCKET NO.
448563/0235APPLICATION NO.
10/696,249U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

APPLICANT

Kobayashi et al.

FILING DATE

October 29, 2003

GROUP

2861

LIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AN	2,526,019	10/17/1950	Fowler			
	3,270,771	9/6/1966	Morgan et al.			
	3,354,902	11/28/1967	Obermaier			
	3,779,274	12/18/1973	Kelly			
	3,941,149	3/2/1976	Mittleman			
	4,152,710	5/1/1979	Matsuba et al.			
	4,183,031	1/8/1980	Kyser et al.			
	4,520,369	5/28/1985	Shackleton			
	4,869,282	9/26/1989	Sittler et al.			

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
DE 1 009 870	6/30/1955	Germany			
GB 751 289	6/27/1956	Great Britain			Eng. Orig.
FR 1 145 605	10/28/1957	France			
DE 1 152 583	9/19/1958	Germany			
FR 1 268 227	6/1961	France			
DE 1 852 284	11/30/1961	Germany			
DE 1 550 194	8/28/1969	Germany			
DE 2 230 642	12/28/1972	Germany			

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER	DATE CONSIDERED
AN/KO	12/10/04

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				APPLICANT Kobayashi et al.			
				FILING DATE October 29, 2003			GROUP 2861

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
AN	4,971,527	11/20/1990	Dick				
	5,039,997	8/13/1991	Pullen et al.				
	5,138,344	8/11/1992	Ujita				
	5,280,300	1/18/1994	Fong et al.				
	5,305,795	4/26/1994	Forberg				
	5,343,226	8/30/1994	Niedermeyeyr et al.				
	5,367,328	11/22/1994	Erickson				
	5,388,615	2/14/1995	Edlund et al.				
	5,426,459	6/20/1995	Kaplinsky				

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DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT		
FR 2 391 405 A1	12/1978	France					
JP 55 146766	11/15/1980	Japan			w/ Eng. Abst.		
JP 56 013183	2/9/1981	Japan			w/ Eng. Abst.		
JP 57 006777	1/13/1982	Japan			w/ Eng. Abst.		
JP 57 197176 A	12/3/1982	Japan			w/ Eng. Abst.		
JP 58 036457 A	3/3/1983	Japan			w/ Eng. Abst.		
DE 3 202 796 A1	8/4/1983	Germany					
EP 0 112 701 A2	7/4/1984	EPO			Eng. Orig.		

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)	

EXAMINER <div style="text-align: center; font-size: 1.5em;">Anh/ko</div>	DATE CONSIDERED <div style="text-align: center; font-size: 1.5em;">12/04</div>
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<i>AV</i> <div style="border-left: 1px solid black; height: 100px; margin-left: 5px;"></div>	5,453,772	9/26/1995	Aono et al.	<div style="font-size: 4em; transform: rotate(45deg); display: inline-block;">X</div>	<div style="font-size: 4em; transform: rotate(45deg); display: inline-block;">X</div>	<div style="font-size: 4em; transform: rotate(45deg); display: inline-block;">X</div>
	5,477,963	12/26/1995	Mochizuki et al.			
	5,539,437	7/23/1996	Penwell			
	5,500,663	3/19/1996	Ujita et al.			
	5,646,664	7/8/1997	Pawlowski, Jr.			
	5,653,251	8/5/1997	Handler			
	5,691,753	11/25/1997	Hilton			
	5,736,992	4/7/1998	Pawlowski, Jr.			
	5,737,001	4/7/1998	Taylor			

FOREIGN PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
<div style="border-left: 1px solid black; height: 100px; margin-left: 5px;"></div>	EP 0 116 466 A2	8/22/1984	EPO	<div style="font-size: 4em; transform: rotate(45deg); display: inline-block;">X</div>	<div style="font-size: 4em; transform: rotate(45deg); display: inline-block;">X</div>	Eng. Orig.
	GB 2 147 975	5/22/1985	Great Britain			Eng. Orig.
	EP 0 238 829 A2	9/30/1987	EPO			Eng. Orig.
	JP 62 231759	10/12/1987	Japan			
	EP 0 336 307 A2	10/11/1989	EPO			Eng. Orig.
	EP 0 339 770 A2	11/2/1989	EPO			Eng. Orig.
	JP 2 072271	3/12/1990	Japan			w/ Eng. Abst.
	<i>AV</i> <div style="border-left: 1px solid black; height: 100px; margin-left: 5px;"></div>	EP 0 412 643 A1	2/13/1991			EPO

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)	

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U.S. PATENT DOCUMENTS						
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<i>AV</i> <div style="border-left: 1px solid black; height: 100px; margin-left: 5px;"></div>	5,751,319	5/12/1998	Robertson et al.	<div style="font-size: 4em; transform: rotate(45deg); display: inline-block;">X</div>	<div style="font-size: 4em; transform: rotate(45deg); display: inline-block;">X</div>	<div style="font-size: 4em; transform: rotate(45deg); display: inline-block;">X</div>
	5,777,646	7/7/1998	Barinaga et al.			
	5,796,419	8/18/1998	Clark et al.			
	5,969,737	10/19/1999	Koyama et al.			
	6,010,211	1/4/2000	Betschon			
	6,130,696	10/10/2000	Mashita et al.			
	6,302,531	10/16/2001	Usui et al.			
	6,332,481	12/25/2001	Shinada et al.			
	6,383,436	5/7/2002	Nishimuro et al.			

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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT	
<i>AV</i> <div style="border-left: 1px solid black; height: 100px; margin-left: 5px;"></div>	EP 0 424 133 A2	4/24/1991	EPO	<div style="font-size: 4em; transform: rotate(45deg); display: inline-block;">X</div>	<div style="font-size: 4em; transform: rotate(45deg); display: inline-block;">X</div>	Eng. Orig.	
	WO 92/12371	7/23/1992	Japan			Eng. Orig.	
	EP 0 509 686 A2	10/21/1992	EPO			Eng. Orig.	
	JP 5 050609	3/2/1993	Japan			w/ Eng. Abst.	
	EP 0 529 880 B1	3/3/1993	EPO			Eng. Orig.	
	JP 5 162324 A	6/29/1993	Japan			w/ Eng. Abst.	
	JP 5 201018	8/10/1993	Japan			w/ Eng. Abst.	
		JP 5 229137	9/7/1993			Japan	w/ Eng. Abst.

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AV	6,390,611	5/21/2002	Kobayashi et al.			
	6,416,152	7/9/2002	Matsuzaki et al.			
	6,422,691	7/23/2002	Kobayashi et al.			
	6,460,984	10/8/2002	Matsumoto et al.			
	6,585,358	7/1/2003	Usui et al.			
	6,648,459	11/18/2003	Usui et al.			8/7/01
	6,666,551	12/23/2003	Kobayashi et al.			11/27/01
	2002/0089083	7/11/2002	Nishimuro et al.			
	2002/0109760	8/15/2002	Miyazawa et al.			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
AV	EP 0 562 717 A1	9/29/1993	EPO			Eng. Orig.
	EP 0 709 207 A2	5/1/1996	EPO			Eng. Orig.
	JP 8 174860	7/9/1996	Japan			w/ Eng. Abst.
	EP 0 760 288 A1	3/5/1997	EPO			Eng. Orig.
	DE 195 45 775 A1	6/12/1997	Germany			
	EP 0 794 059 A2	9/10/1997	EPO			Eng. Orig.
	JP 9 290514	11/11/1997	Japan			w/ Eng. Abst.
	EP 0 827 836 A1	3/11/1998	EPO			Eng. Orig.
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<div style="font-size: 2em; font-family: cursive;">AV</div>	2002/0135646	9/26/2002	Usui			
	2002/0154200	10/24/2002	Miyazawa et al.			
	2002/0158948	10/31/2002	Miyazawa et al.			
	2002/0171721	11/21/2002	Ota et al.			
	2002/0171722	11/21/2002	Hara et al.			
	2002/0171723	11/21/2002	Ota et al.			
	2002/0180849	12/5/2002	Sakai et al.			
	2003/0007043	1/9/2003	Ota et al.			
	2003/0058312	3/27/2003	Iida			

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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT	
<div style="font-size: 2em; font-family: cursive;">m</div>	JP 10 086402	4/7/1998	Japan			w/ Eng. Abst.	
	JP 10 244685	9/14/1998	Japan			w/ Eng. Abst.	
	GB 2 323 332 A	9/23/1998	Great Britain			Eng. Orig.	
	EP 0 879 702 A2	11/25/1998	EPO			Eng. Orig.	
	JP 10 315504	12/2/1998	Japan			w/ Eng. Abst.	
	JP 11 058772	3/2/1999	Japan			w/ Eng. Abst.	
	EP 0 903 236 A2	3/24/1999	EPO			Eng. Orig.	
	JP 11 091122	4/6/1999	Japan			w/ Eng. Abst.	

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<div style="font-size: 2em; margin-bottom: 10px;">M</div> <div style="font-size: 2em;"> </div>	2003/0058313	3/27/2003	Iida	X	X		
	2003/0085970	5/8/2003	Sakai et al.				
	2003/0103119	6/5/2003	Sakai et al.				
	2003/0107627	6/12/2003	Seino et al.				
	2003/0107629	6/12/2003	Kobayashi et al.				
	2003/0128261	7/10/2003	Usui et al.				
	2003/0146959	8/7/2003	Iida				
	2004/0051766	3/18/2004	Miyazawa et al.				2/14/03
	2004/0056936	3/25/2004	Usui et al.				9/25/03
FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT	
<div style="font-size: 2em; margin-bottom: 10px;">A</div> <div style="font-size: 2em;"> </div>	EP 0 919 384 A2	6/2/1999	EPO	X	X	Eng. Orig.	
	JP 11 170558 A	6/29/1999	Japan			w/ Eng. Abst.	
	JP 11 179932	7/6/1999	Japan			w/ Eng. Abst.	
	EP 0 956 958 A2	11/17/1999	EPO			Eng. Orig.	
	WO 00/03877 A1	1/27/2000	Japan			w/ Eng. Abst.	
	EP 1 016 533 A1	7/5/2000	EPO			Eng. Orig.	
	EP 1 125 747 A2	8/22/2001	EPO			Eng. Orig.	
	JP 2001-270129	10/2/2001	Japan			w/ Eng. Abst.	
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<div style="text-align: left; padding-left: 5px;"> AV AV </div>	09/525,477	3/15/2000	Miyazawa	X	X	
	10/778,766	2/13/2004	Miyazawa et al.			2/13/2004
	10/819,756	4/6/2004	Miyazawa			4/6/2004
	10/826,918	4/16/2004	Miyazawa et al.			4/16/2004

FOREIGN PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
<div style="text-align: left; padding-left: 5px;"> AV AV AV </div>	WO 01/78988 A1	10/25/2001	Japan	X	X	w/ Eng. Abst.
	JP 2002-103642	4/9/2002	Japan			w/ Eng. Abst.
	EP 1 199 178 A1	4/24/2002	EPO			Eng. Orig.
	EP 1 258 358 A1	11/20/2002	EPO			Eng. Orig.
	EP 1 270 235 A1	1/2/2003	EPO			Eng. Orig.

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